

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: 07204480 A

(43) Date of publication of application: 08.08.95

(51) Int. Cl

B01F 3/08
B01F 5/04
B01F 13/00
B01J 4/00
B01J 4/02
B65B 39/00
B65G 53/40
B65G 53/58

(21) Application number: 06007331

(22) Date of filing: 27.01.94

(71) Applicant: KUBOTA CORP

(72) Inventor: FUKAHORI MASAHIKA

(54) CHEMICAL INJECTION DEVICE

communication orifice 4 and the balance pipe 12.

(57) Abstract:

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PURPOSE: To mix a secondary liquid into the primary liquid passing through an orifice part in various ratios by regulating the pressure difference between two liquids in a container by a control means.

CONSTITUTION: A chemical injection device is constituted by connecting a container 2 mixing a secondary liquid B into a primary liquid A to the piping 1 receiving the supply of the primary liquid A. An orifice part 3 is provided to the piping 1 and the orifice part 3 and the upper part of the container 2 are allowed to communicate with a small communication orifice 4 and the place on the upstream side of the orifice part 3 of the piping 1 and the lower part of the container 2 are allowed to communicate with each other by a balance pipe 12. A bladder 9 forming the upper space 7 storing the secondary liquid B is arranged in the container 2 so as to be displaced by the pressure difference between the secondary liquid B received in the upper space 7 and the primary liquid A in the piping 1. A control means such as a control valve 13 or a throttle mechanism 14 is provided to the small

